

Converting Colors

$Yxy(71.8920, 0.2796, 0.3305)$

Have a look what the booklet for
Yxy(71.8920, 0.2796, 0.3305)
contains.

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Color

Yxy(71.7157, 0.2798, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6E5
RGB	178, 230, 229
RGB Percent	70%, 90%, 90%
CMY	0.3022, 0.0980, 0.1020
CMYK	0.23, 0.00, 0.00, 0.10
HSL	179°, 51%, 80%
HSV	179°, 23%, 90%
XYZ	60.7878, 71.7157, 84.7510
YIQ	214.3380, -30.6710, -11.3350

Conversions

Conversions Part 2

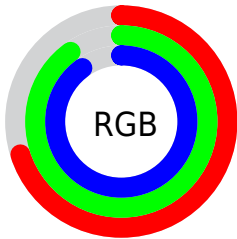
Format	Color
RYB	178, 204, 230
Decimal	11724517
CIELab	87.83, -16.76, -4.95
CIElCh	88, 17.480, 196.467
Yxy	71.7157, 0.2798, 0.3301
Android (android.graphics.Color)	4289914597 (0xFFB2E6E5)
YUV	214.3380, 7.2284, -31.8684
Hunter-Lab	84.6851, -20.0699, -0.0565

Details

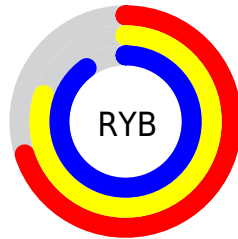
The Yxy color **71.7157, 0.2798, 0.3301** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.9000, 0.3582, 0.3280**, and the grayscale version is **67.4446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **37.6132, 0.2718, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **69.1974, 0.2670, 0.3307**, and if you desaturate by 10%, it is **74.6960, 0.2938, 0.3296**.

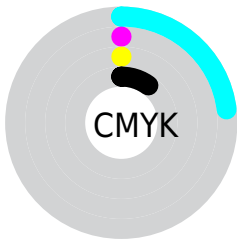
Distribution



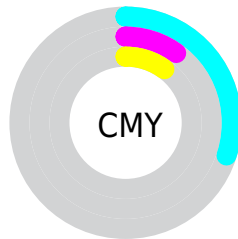
- Red (70%)
- Green (90%)
- Blue (90%)



- Red (70%)
- Yellow (80%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (30%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7157, 0.2798, 0.3301 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 71.7157, 0.2798, 0.3301 by changing the saturation by 10% instead.

 71.7157, 0.2798,
0.3301

 71.7157, 0.2798,
0.3301


466.5515, 0.2949,
0.3298

 52.9265, 0.2764,
0.3301


 121.6522, 0.2850,
0.3300

 37.7441, 0.2721,
0.3302


153.5683, 0.2871,
0.3300

 25.7841, 0.2668,
0.3301


190.6289, 0.2888,
0.3299

 16.6622, 0.2598,
0.3301

233.2182, 0.2904,
0.3299

 9.9939, 0.2504,
0.3298

281.7207, 0.2917,
0.3299

 5.3949, 0.2369,
0.3293

336.5208, 0.2929,

 2.4808, 0.2161,

0.3298

398.0030, 0.2940,
0.3298

0.3279

0.8670, 0.1589,
0.3321

0.0000, 0.0000,
0.0000

71.7157, 0.2798,
0.3301

71.7157, 0.2798,
0.3301

69.1974, 0.2670,
0.3307

74.6960, 0.2938,
0.3296

67.1097, 0.2558,
0.3312


78.1508, 0.3087,
0.3291

65.4308, 0.2462,
0.3319


82.1027, 0.3242,
0.3287

64.1334, 0.2386,
0.3325

83.6230, 0.3295,
0.3283


 63.1872, 0.2329,
0.3331


 83.6490, 0.3292,
0.3278

 62.5571, 0.2291,
0.3338


 83.6750, 0.3289,
0.3274

 62.2006, 0.2270,
0.3344

 83.7011, 0.3286,
0.3269

 62.0635, 0.2264,
0.3349

 83.7272, 0.3283,
0.3264

 83.7535, 0.3280,
0.3260

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7157, 0.2957, 0.3494



71.7157, 0.2798, 0.3301



71.7157, 0.2726, 0.3113

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7157, 0.2798, 0.3301



71.7157, 0.3079, 0.2979



71.7157, 0.3508, 0.3592

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.7157, 0.2798, 0.3301



51.9000, 0.3582, 0.3280

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7157, 0.3546, 0.3445



71.7157, 0.2798, 0.3301



71.7157, 0.3293, 0.3098

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7157, 0.2798, 0.3301



71.7157, 0.2884, 0.2935



71.7157, 0.3466, 0.3266



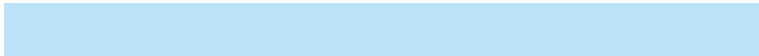
71.7157, 0.3367, 0.3663

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7157, 0.2798, 0.3301



71.7157, 0.2735, 0.3017



71.7157, 0.3466, 0.3266



71.7157, 0.3534, 0.3549

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71.7186, 0.2798, 0.3301



96.7474, 0.3020, 0.3293



69.4814, 0.3109, 0.3922



20.6510, 0.3011, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7186, 0.2798, 0.3301



89.1097, 0.2739, 0.3303



59.1802, 0.2770, 0.3000



16.3312, 0.2984, 0.3294



35.1328, 0.2263, 0.3348



2.5978, 0.2261, 0.3339

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.9000, 0.3582, 0.3280



60.0514, 0.3703, 0.3277



62.3954, 0.3532, 0.3563



14.3726, 0.3289, 0.3286



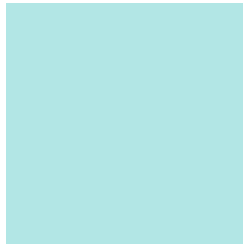
9.5320, 0.6379, 0.3288



0.7060, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 71.7157, 0.2798, 0.3301 looks on a white background.

Color Contrast Check

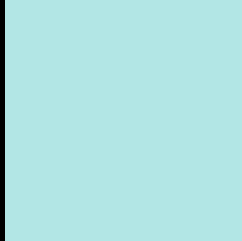
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 71.7157, 0.2798, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

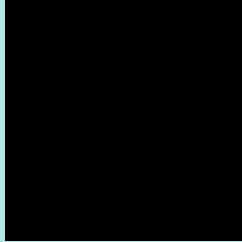
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7157, 0.2798, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 71.7157, 0.2798, 0.3301.

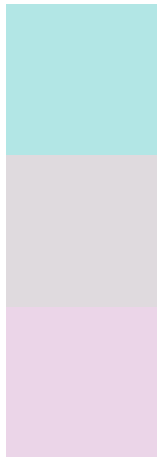


This preview shows how white text looks on a background with the Yxy color 71.7157, 0.2798, 0.3301.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.7157, 0.2798, 0.3301

Protanopia

71.1047, 0.3136, 0.3247

Deuteranopia

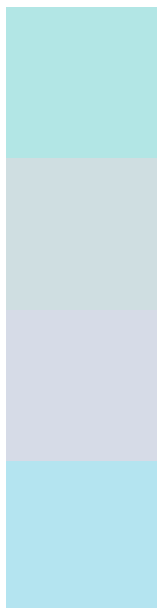
71.0769, 0.3158, 0.3091



Tritanopia

71.4157, 0.2720, 0.3075

Trichromacy



Original Color

71.7157, 0.2798, 0.3301

Protanomaly

70.9442, 0.3004, 0.3256

Deuteranomaly

70.7287, 0.3014, 0.3159

Tritanomaly

71.4814, 0.2748, 0.3153

Monochromacy



Original Color

71.7157, 0.2798, 0.3301

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.7184, 0.3001, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7157, 0.2798, 0.3301 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 71.7157, 0.2798, 0.3301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 230, 229) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 230, 229) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(178, 230,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7157, 0.2798, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
230, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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